E-Tech

VS 904L
PUMP MOTOR ASSEMBLY

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Franklin Electric

APPLICATIONS

- Municipal water works
- Water distribution and pressure boosting
- Industrial cooling and processing
- Water treatment plants, filtration and reverse osmosis
- Mining industry, drainage and processing
- Mining (In Situ Leaching)
- Fountains
- Off-shore
- Desalination (RO-Systems)

PUMP FEATURES

LOW LIFE CICLE COST

The hydraulic design is such to enhance the efficiency up to 80% thus reducing energy consumption and making the pumping systems more cost effective.

GUARANTEED PERFORMANCES

904L stainless steel impellers and diffusers. Teflon floating neck ring, Ceramic guide journal sleeve and hydrogenated nitrile rubber fluted bearing to ensure durability against wear are excellent features for guaranteed long-lasting constant performances and product reliability.

HEAVY DUTY STRUCTURE

An external stainless steel sleeve improves stiffness and assures permanent alignment of all the components allowing also for horizontal operation.
The motor adapter and the coupling are in compliance with NEMA standard.

MAXIMUM SERVICEABILITY

This is a maintenance free product however in time some parts subject to wear may need replacement. The simplicity of the assembly concept allows for easy service without the need of special tools.

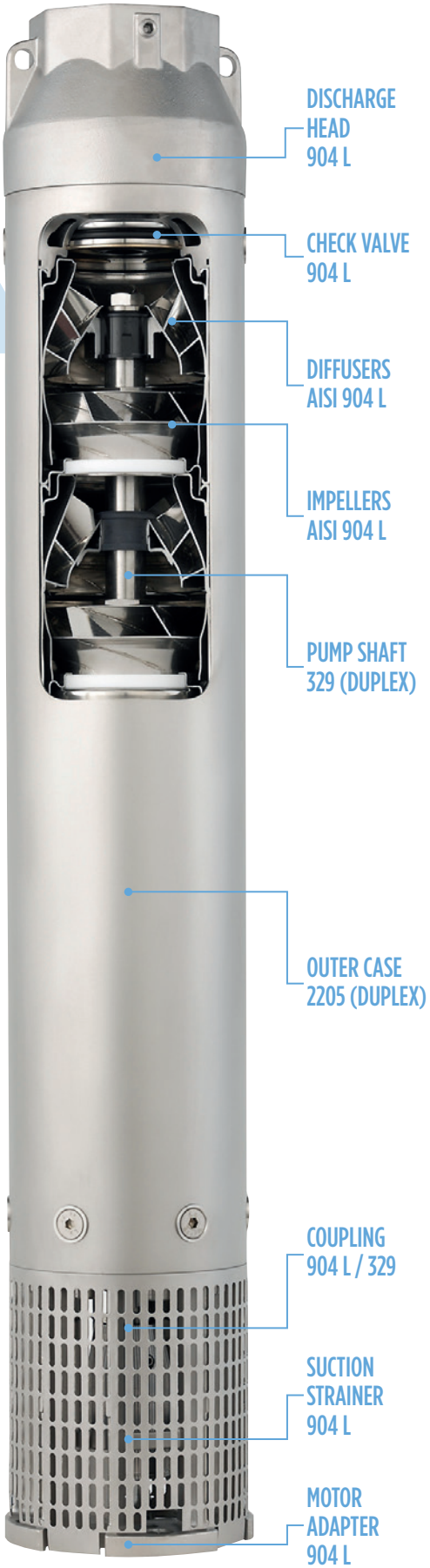
BUILT-IN CHECK VALVE

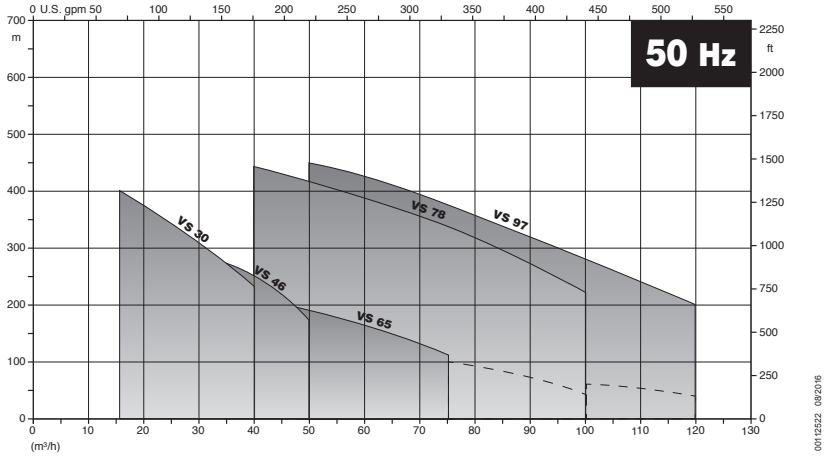
PUMP SPECIFICATIONS

- Capacity: Up to 120m^3/h at 50Hz
- Heads: Up to 480 m at 50Hz
- Efficiency: Up to 80%
- Discarge outlet: 3" for VS30 and VS46; 4" for VS65; 5" for VS78 and VS97
- Motor flange 6" - 6"/8" - 8"
- Pump can work continuosly in vertical or horizontal position
- Water temperature -5°C / +90°C
- Rotation: counter clockwise when looking into the discharge

PUMP OPTIONS

- Double cable guard
- Bearings bush in FKM





MOTORS FEATURES

- 6" and 8" rewindable motors, manufactured in ISO 9001 certified facilities, are built for dependable operation in 6-inch or 8-inch wells diameter or larger
- Fitted with water lubricated radial and thrust bearings for maintenance-free operation.
- A special diaphragm ensures pressure compensation inside the motor.
- The motor is filled with a special FES93 fluid, providing frost protection down to -15 ºC storage temperature.
- All motors are 100% tested
- The Sand fighter® SiC seal system is standard.

MOTOR SPECIFICATIONS

- 6-inch and 8-inch NEMA flange
- Protection IP68
- Installation position: vertical / horizontal (6" 37kW and 8" 93 kW motors may not be installed horizontally)
- Motor lead in 4m lenght for 6" and in 6m lenght for 8"
- Standar voltage 3680-415V/50Hz; 460V/60Hz
- Voltage tolerance 50Hz: +6% / -10%
  60Hz: +/- 10%
- Standard motor with PVC insulation (6" 37kW in standard with PE2/PA)
- Ambient temperature: max 30ºC with a min.cooling flow:

6"	4-15KW	0,2 m/s
6"	18,5-37KW	0,5 m/s
8"	30-52KW	0,2 m/s
8"	55-93KW	0,5 m/s

MOTOR OPTIONS

- Other voltages
- PE2/PA windings insulation for max. ambient temp.of 50ºC at the same cooling conditions as standard
- PT100 temperature sensor (sold separately)
- Lead in different lenghts

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